PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

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REC'D 12 MAY 2005 PCT WIPO

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing (day/month/year)

10. 05. 20 05

Applicant's or agent's file reference 00000PCT7731

FOR FURTHER ACTION

See paragraph 2 below

International application No. PCT/JP2005/002681 International filing date (day/month/year)

Priority date (day/month/year)

15.02.2005

17.02.2004

International Patent Classification (IPC) or both national classification and IPC Int.Cl. B05D1/26, H01L21/28, 21/288, 21/3205, 21/336, 29/786

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

- 1. This opinion contains indications relating to the following items:
 - Box No. I

Basis of the opinion

- Box No. II
- Priority
- Box No. III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Box No. IV

Lack of unity of invention

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;

- citations and explanations supporting such statement
- Certain documents cited Box No. VI
- Box No. VII

Certain defects in the international application

- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Scarching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

For further details, see notes to Form PCT/ISA/220.

Date of completion of this opinion 19.04.200	5			
Name and mailing address of the ISA/JP	Authorized officer		4M	2934
Japan Patent Office	TAKASHI WATAHIKI			
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Telephone No. +81-3-3581-1101	Ext.	3460	

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/002681

Bo	x No. I	Basis of the opinion
1.	With rega	ard to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item.
	Th	s opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	Ru	les 12.3 and 23.1(b)).
2.	With rega	ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the nvention, this opinion has been established on the basis of:
	a. type of	material
	1	a sequence listing
	r	table(s) related to the sequence listing
	b. format	of material
	<u> </u>	in written format
	1-	in computer readable form
	c. time o	f filing/furnishing
	Г	contained in the international application as filed.
	<u></u>	filed together with the international application in computer readable form.
	_	furnished subsequently to this Authority for the purposes of search.
3.	£1	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been ed or furnished, the required statements that the information in the subsequent or additional copies is identical to that the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addition	al comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/002681

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement				
. Statement				
Novelty (N)	Claims 2-22	YES		
• • •	Claims 1	NO		
Inventive step (IS)	Claims 8,13-15,17-22	YES		
	Claims 1-7, 9-12, 16	NO		
Industrial applicability (IA)	Claims 1-22	YES		
	Claims	NO		

2. Citations and explanations

D1:JP 11-207959 A (SEIKO EPSON CORPORATION)1999.08.03,

WHOLE DOCUMENT, FIG. 8 (FAMILY: NONE)

D2:JP 2003-59940 A (FUJI PHOTO FILM CO., LTD.) 2003.02.28, WHOLE DOCUMENT, FIGS.1-4 (FAMILY:NONE)

[Claim 1]

The subject matter of claim 1 does not appear to be novel with respect to D1 cited in the ISR.

D1 discloses that the droplet flows into the lyophilic region from the non-lyophilic region and the amount of the droplet is enough to overflow from one lyophilic region.

Therefore the droplet flowing into the lyophilic region from the non-lyophilic region is a part of the droplet dropped on the non-lyophilic region.

[Claims 2-7, 9-12, 16]

The subject matter of claims 2-7,9-12,16 does not appear to involve an inventive step in view of D1 and D2.

The method of using a photocatalyst is known in the art for forming a lyophilic region and a non-lyophilic region, as described in D2.

[Claims 8, 13-15, 17-22]

The subject matters of claims 8,13-15,17-22 are neither disclosed in any of the documents cited in the ISR nor obvious to a person skilled in the art.